BRUHATH BANGALORE MAHANAGARA PALIKE,
DASARAHALLI ZONE
Office of the Executive Engineer Dasarahalli Division

Schedule - B

BBMP/2021-22/OW/WORK_INDENT50556

Name of Work: Developments Works in MEI Layout Park in ward No 14, Dasarahalli Sub Division.

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor Sri PAVAN KUMAR N	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.--do-- in hard soil	Sqm	23.65	509.0	Rupees Five Hundred Nine Only
2	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications	Sqm	8.72	5889.0	Rupees Five Thousand Eight Hundred Eighty Nine Only
3	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications	Cum	11.25	5210.0	Rupees Five Thousand Two Hundred Ten Only
4	Providing and constructing granite /trap/ baslat size stone masonry in basement with cement mortar 1:6, stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications	Sqm	4.05	6217.0	Rupees Six Thousand Two Hundred Seventeen Only

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5	Providing ruled pointing 20mm deep to coursed stone masonry with cement mortar after racking the joints to depth of 20mm nicely lining including cost of materials labour complete as per specifications	Cum	6.00	161.0	Rupees One Hundred Sixty One Only
6	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification	Cum	12.00	189.0	Rupees One Hundred Eighty Nine Only
7	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications	Cum	7.91	6417.0	Rupees Six Thousand Four Hundred Seventeen Only
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No	Cum	25.98	457.0	Rupees Four Hundred Fifty Seven Only
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.	Sqm	24.32	453.0	Rupees Four Hundred Fifty Three Only

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10	Providing T M T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications	Sqm	0.95	80475.0	Rupees Eighty Thousand Four Hundred Seventy Five Only
11	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	Cum	59.10	1047.0	Rupees One Thousand Forty Seven Only
12	Providing 18 mm thick cement plaster in single coat with cement mortar, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.	Cum	61.88	313.0	Rupees Three Hundred Thirteen Only
13	Providing 15 mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	Sqm	62.66	235.0	Rupees Two Hundred Thirty Five Only
14	Providing 12mm thick cement plaster in single coat with cement mortor 1:6, to brick masonry including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Including lime rendering)	Sqm	18.70	266.0	Rupees Two Hundred Sixty Six Only

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15	Supplying and fixing pressed steel door frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4.	Sqm	3.83	3639.0	Rupees Three Thousand Six Hundred Thirty Nine Only
16	Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mm x 10mm x 2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppe`, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications. size of gate 2.4mx1.4m	Sqm	6.30	5908.0	Rupees Five Thousand Nine Hundred Eight Only
17	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing,_do_ for Ceramic Tiles of size 30x30cms, 6mm thick complete as per specifications	Sqm	16.00	1372.0	Rupees One Thousand Three Hundred Seventy Two Only

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18	Providing skirting, dado, rises of steps with White glazed tiles 20x20cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications specification	Sqm	41.12	1445.0	Rupees One Thousand Four Hundred Forty Five Only
19	Providing and fixing to wall, ceiling and floor unplasticised PVC 6kgs/sqm working pressure with pipe fittings, walll clips etc. and making good the wall , ceiling and floor for sanitary pipe lines including cost of all materials, labour HOM of acquirements and testing complete as per specifications	Mtr	40.00	492.0	Rupees Four Hundred Ninety Two Only
20	Providing and fixing CPVC pipes confirming to IS 15778 , having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mt spacing . This includes jointing of pipes and fittings with one stepCPVC Solvent cement and cost of cutting chases and making good the same including testing of joints complete For 20mm pipes	Mtr	60.00	178.0	Rupees One Hundred Seventy Eight Only
21	Providing and fixing in position brass gate valve with C.I. Wheel of approved quality (screed end) 5 mm nominal bore including cost of all materials , labour , HOM of equipments ith all lead , complete as per specification	Each	2.00	381.0	Rupees Three Hundred Eighty One Only
22	CP Brass tap with Union	Nos	2.00	288.0	Rupees Two Hundred Eighty Eight Only
23	Providing & fixing white vitreous china clay , water closet European type (Pedestal type , S-Trap) with black solid plastic seat and lid . CP Brass hinges , rubber buffers, 10 litre white glazed / vitreous china clay low level flushing cistern (all are approved make) with fittings C.I. /M.S. Brackets , 40 mm diameter flush bend fittings and clamps over flow arrangement with specials and 25 mm mosquito proof coupling of approved design , painting of fittings and brackets ,cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications	Nos	2.00	5450.0	Rupees Five Thousand Four Hundred Fifty Only

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24	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 15 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications, Specification No KBS 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 450x450mm	Nos	2.00	8010.0	Rupees Eight Thousand Ten Only
25	Providing and finishing external two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour,-do-with primer, complete as per specification	Sqm	61.88	102.0	Rupees One Hundred Two Only
26	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials labour material etc complete	Sqm	64.08	98.0	Rupees Ninety Eight Only
27	Providing and Placing on terrace polythene water storage tank (1000 ltr capacity)	Nos	1.00	7740.0	Rupees Seven Thousand Seven Hundred Forty Only

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28	Supplying, installing, testing and commissioning of Submersible Pump (2 HP/ 1.5kW 25 STAGE) of adequate HP capable of giving required discharge at suitable head to work on 1 phase 50Hz 400/400 V with necessary unions, flanges, foundations bolts RCC footing etc., complete with25meter head with 1.0lps conditions. (1no. working and 1no. Standby). Make=Kirlosker (Basicv rate 19000 Taxes 5.50% = 20000) Sump to Over Head tank & Bio Medical Chamber TO IC	Nos	1.00	22680.0	Rupees Twenty Two Thousand Six Hundred Eighty Only
29	Providing and laying to required level and slope 150mm internal dia salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortor in proportion of 1;1 testing of pipes and joints including cost of materials labour etc complete	Mtr	10.00	417.0	Rupees Four Hundred Seventeen Only
30	Extra over Item No. KSRB 15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications	Sqm	22.78	62.0	Rupees Sixty Two Only
31	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at -the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification	Sqm	3.45	6277.0	Rupees Six Thousand Two Hundred Seventy Seven Only

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32	Supplying and wiring adopting loop system existing PVC conduit casing capping using 1.0SQ grade COPPER conductor flexible stranded PB&B PVC insulated 2 No's 2Sq mm Cable confirming to the CPP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet GROUP A b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch	Point	2.00	257.0	Rupees Two Hundred Seven Only
33	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch	Point	2.00	381.0	Rupees Three Hundred Eighty One Only
34	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting. Finishing with necessary cement plastering complete (1.6.5) 4"x4"x3" (101x101x76mm)	Each	15.00	71.0	Rupees Seventy One Only
35	(1.6.1) 12"x12"x3" (300x300x76mm)	Each	10.00	121.0	Rupees One Hundred Twenty One Only
36	(1.6.3)10"x7"x3" (254x178x76mm)	Each	8.00	91.0	Rupees Ninety One Only
37	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	SqCM	23000.00	0.26	Twenty Six Paise Only
38	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall	Mtr	1.00	22.5	Rupees Twenty Two and Fifty Paise Only
39	Supplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary	Mtr	1.00	59.0	Rupees Fifty Nine Only
40	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps.	Each	5.00	92.0	Rupees Ninety Two Only

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41	Supplying patti type fluorescent tube light fitting of 2' - suitable for 14 watts fluorescent tube fitting made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp	Each	2.00	620.0	Rupees Six Hundred Twenty Only
42	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS 694:1990 & confirming to GTP of GROUP -A 1.5 sqmm	Mtr	1.00	19.5	Rupees Nineteen and Fifty Paise Only
43	Supplying, fixing, wiring, earth electrode for grounding conduits, LC. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	No	1.00	2863.0	Rupees Two Thousand Eight Hundred Sixty Three Only
44	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A P	Mtr	1.00	147.0	Rupees One Hundred Forty Seven Only
45	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.	Mtr	1.00	11.0	Rupees Eleven Only
46	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete For Cutting Road Surface .	Mtr	1.00	89.0	Rupees Eighty Nine Only

Rupees Two Hundred Fifty Seven Only

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47	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV 40mm dia GI pipe	Mtr	1.00	362.0	Rupees [illegible] Hundred [illegible] Two Only
48	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers 16Sqmm etc.	No.	1.00	294.0	Rupees Two Hundred Ninety Four Only

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